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     FILE 'REGISTRY' ENTERED AT 15:48:24 ON 29 DEC 2006
L45             STRUCTURE UPLOADED
L46           1 S L45
L47          21 S L45 SSS FULL

     FILE 'CAPLUS' ENTERED AT 15:49:28 ON 29 DEC 2006
L48          32 S L47
L49          27 S L48 AND FLUORINAT?
L50           9 S L49 NOT PY>2003
L51           0 S L50 AND (SUGAR OR GLUCOSE OR RIBOSE OR SACCHARIDE)
L52           0 S L50 AND MICROWAVE
L53           9 S L49 AND MICROWAVE

     FILE 'USPATFULL' ENTERED AT 15:53:30 ON 29 DEC 2006
L54          10 S L47
L55           3 S L54 AND MICROWAVE
L56           3 S L54 NOT PY>2003

     FILE 'REGISTRY' ENTERED AT 15:58:14 ON 29 DEC 2006
L57             STRUCTURE UPLOADED
L58           1 S L57  SUB=L47 FULL

     FILE 'CAPLUS, USPATFULL' ENTERED AT 15:59:01 ON 29 DEC 2006
L59           6 S L58
L60           6 DUP REM L59 (0 DUPLICATES REMOVED)
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Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSPTAEXO1623

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 15:48:08 ON 29 DEC 2006
FILE 'CAPLUS' ENTERED AT 15:48:08 ON 29 DEC 2006
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   186.21     467.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -15.75     -36.75

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   186.21     467.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -15.75     -36.75

FILE 'REGISTRY' ENTERED AT 15:48:24 ON 29 DEC 2006
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   28 DEC 2006  HIGHEST RN 916479-39-5
DICTIONARY FILE UPDATES:  28 DEC 2006  HIGHEST RN 916479-39-5

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10537437fulorinator.str
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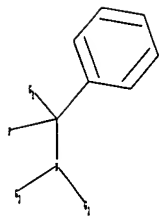
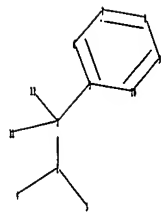




chain nodes :
1 2 3 4 11 13
ring nodes :
5 6 7 8 9 10
chain bonds :
1-2 1-3 1-4 2-5 2-11 2-13
ring bonds :
5-6 5-10 6-7 7-8 8-9 9-10
exact/norm bonds :
1-2 1-3 1-4 2-13
exact bonds :
2-5 2-11
normalized bonds :
5-6 5-10 6-7 7-8 8-9 9-10

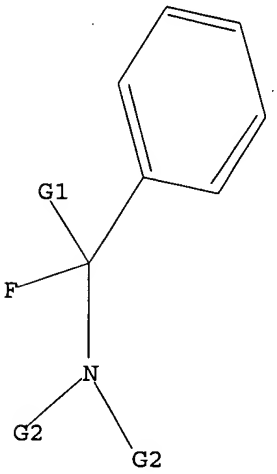
G1:H,Cl,Br,F,I

G2:CH3,CH2,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 13:CLASS

L45 STRUCTURE UPLOADED

=> d l45
L45 HAS NO ANSWERS
L45 STR



G1 H,Cl,Br,F,I

G2 Me,CH2,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph

Structure attributes must be viewed using STN Express query preparation.

=> s l45
SAMPLE SEARCH INITIATED 15:48:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 196 TO ITERATE

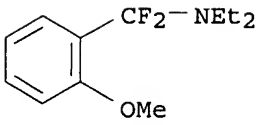
100.0% PROCESSED 196 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3081 TO 4759
PROJECTED ANSWERS: 1 TO 80

L46 1 SEA SSS SAM L45

=> d l46

L46 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 704916-04-1 REGISTRY
ED Entered STN: 06 Jul 2004
CN Benzenemethanamine, N,N-diethyl-α,α-difluoro-2-methoxy- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN N,N-Diethyl-α,α-difluoro-2-methoxybenzylamine
MF C12 H17 F2 N O
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

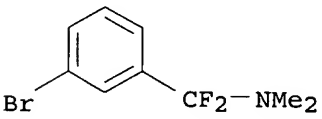
=> s l45 sss full
FULL SEARCH INITIATED 15:49:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4035 TO ITERATE

100.0% PROCESSED 4035 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01

L47 21 SEA SSS FUL L45

=> d l47 scan

L47 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzenemethanamine, 3-bromo-α,α-difluoro-N,N-dimethyl- (9CI)
MF C9 H10 Br F2 N



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

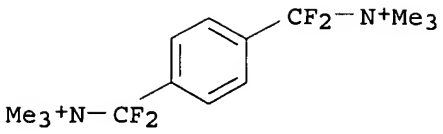
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L47 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzenemethanamine, N,N-diethyl-α,α-difluoro- (9CI)
MF C11 H15 F2 N

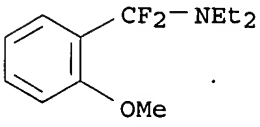
Ph—CF2—NEt2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L47 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1,4-Benzenedimethanaminium, α,α,α',α'-tetrafluoro-
N,N,N,N',N',N'-hexamethyl- (9CI)
MF C14 H22 F4 N2
CI COM

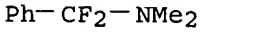


L47 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzenemethanamine, N,N-diethyl-α,α-difluoro-2-methoxy- (9CI)
MF C12 H17 F2 N O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L47 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzenemethanamine, α,α-difluoro-N,N-dimethyl- (9CI)
MF C9 H11 F2 N



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	169.28	636.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-36.75

FILE 'CAPLUS' ENTERED AT 15:49:28 ON 29 DEC 2006
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FILE COVERS 1907 - 29 Dec 2006 VOL 146 ISS 2
FILE LAST UPDATED: 28 Dec 2006 (20061228/ED)

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http://www.cas.org/infopolicy.html

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=> s l47
L48          32 L47

=> s l48 and fluorinat?
         49807 FLUORINAT?
L49          27 L48 AND FLUORINAT?

=> s l49 not py>2003
       3684204 PY>2003
L50           9 L49 NOT PY>2003

=> s l50 and (sugar or glucose or ribose or saccharide)
        257117 SUGAR
        414281 GLUCOSE
         27333 RIBOSE
          9782 SACCHARIDE
L51           0 L50 AND (SUGAR OR GLUCOSE OR RIBOSE OR SACCHARIDE)

=> d l50 1-9 ti

L50  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Fluorination of thiocarbonyl compounds with bis(2-
     methoxyethyl)aminosulfur trifluoride (Deoxo-Fluor reagent): a facile
     synthesis of gem-difluorides

L50  ANSWER 2 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   New deposition systems and processes for transport polymerization and
     chemical vapor deposition

L50  ANSWER 3 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Manufacture of fluorinated poly(p-xylylene) polymers for
     semiconductor devices

L50  ANSWER 4 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Reactions of N,N-dialkylbenzamides with sulfur tetrafluoride.  Formation
     of dialkyl-α,α-difluorobenzylamines

L50  ANSWER 5 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Dialkyl-α,α-difluorobenzylamines and
     dialkyl(trifluoromethyl)amines - novel fluorinating reagents

L50  ANSWER 6 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Synthetic methods and reactions.  I.  Seleniuum tetrafluoride and its
     pyridine complex.  Convenient fluorinating agents for
     fluorination of ketones, aldehydes, amides, alcohols, carboxylic
     acids, and anhydrides

L50  ANSWER 7 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Chemistry of carbonyl fluoride. I. Fluorination of organic
     compounds

L50  ANSWER 8 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Fluorinated organic compounds

L50  ANSWER 9 OF 9  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   The chemistry of sulfur tetrafluoride. II. The fluorination of
     organic carbonyl compounds


=> d l50 1 3 5 6 8 ti abs bib
```

L50 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fluorination of thiocarbonyl compounds with bis(2-methoxyethyl)aminosulfur trifluoride (Deoxo-Fluor reagent): a facile synthesis of gem-difluorides
AB A variety of thiocarbonyl derivs. (thioketone, thioester, thioamide, dithioester, and dithiocarbamate) were converted to the corresponding gem-difluorides in excellent yields on reaction with the fluorinating agent, bis(2-methoxyethyl)aminosulfur trifluoride (I), in the presence of SbCl3. Thus, reacting PhC(S)Ph with I gave PhCF2Ph in 89% yield.
AN 2000:463617 CAPLUS
DN 133:192747
TI Fluorination of thiocarbonyl compounds with bis(2-methoxyethyl)aminosulfur trifluoride (Deoxo-Fluor reagent): a facile synthesis of gem-difluorides
AU Lal, Gauri S.; Lobach, Elyse; Evans, Ann
CS Air Products and Chemicals Inc., Allentown, PA, 18195-1501, USA
SO Journal of Organic Chemistry (2000), 65(16), 4830-4832
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 133:192747
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L50 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Manufacture of fluorinated poly(p-xylylene) polymers for semiconductor devices
AB Fluorinated poly(p-xylylenes) (F-PPX) and fluorinated poly(p-fluoroxylylenes) (F-PPFX) are manufactured by (1) selecting as starting material a fluorinating agent (SF4, DAST) and compound YC(O)ArC(O)Y (Y = leaving group; Ar = phenylene, fluorine-containing phenylene), (2) processing the starting material to produce a tetrafluoro precursor, (3) further processing the precursor with transport polymerization or chemical vapor deposition method, and (4) polymerizing the reactive intermediate into the fluorinated poly(p-xylylene) polymers. These polymers are used for the manufacture of low dielec. films with high thermal stability and are sufficiently strong to withstand planarization and polishing for the manufacture of integrated circuits.
AN 1999:297361 CAPLUS
DN 130:325524
TI Manufacture of fluorinated poly(p-xylylene) polymers for semiconductor devices
IN Lee, Chung J.; Wang, Hui; Foggiato, Giovanni Antonio
PA Quester Technology, Inc., USA
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9921705	A1	19990506	WO 1998-US21753	19981015

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	US 6140456	A	20001031	US 1997-957792	19971024
	AU 9910878	A	19990517	AU 1999-10878	19981015
PRAI	US 1997-957792	A	19971024		
	WO 1998-US21753	W	19981015		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L50 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Dialkyl-α,α-difluorobenzylamines and dialkyl(trifluoromethyl)amines - novel fluorinating reagents
AB The use of PhCF2NMe2 and CF3NEt2 as fluorinating reagents to replace OH groups in alcs. and carboxylic acids by F has been studied. The results, which are very variable, are compared with those reported for other fluoroamine reagents.
AN 1984:34109 CAPLUS
DN 100:34109
TI Dialkyl-α,α-difluorobenzylamines and dialkyl(trifluoromethyl)amines - novel fluorinating reagents
AU Dmowski, Wojciech; Kaminski, Maciej
CS Inst. Org. Chem., Pol. Acad. Sci., Warsaw, 00-961, Pol.
SO Journal of Fluorine Chemistry (1983), 23(3), 219-28
CODEN: JFLCAR; ISSN: 0022-1139
DT Journal
LA English
OS CASREACT 100:34109

L50 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthetic methods and reactions. I. Seleniuum tetrafluoride and its pyridine complex. Convenient fluorinating agents for fluorination of ketones, aldehydes, amides, alcohols, carboxylic acids, and anhydrides
AB Selenium tetrafluoride is a general purpose, convenient fluorinating agent for a wide variety of compds., such as ketones, aldehydes, amides, alcs., carboxylic acids, and anhydrides. Addition of pyridine, which forms a complex with SeF4, in fluorination of alcs. generally prevents isomerization and allows preparation of primary fluorides.
AN 1974:81959 CAPLUS
DN 80:81959
TI Synthetic methods and reactions. I. Seleniuum tetrafluoride and its pyridine complex. Convenient fluorinating agents for fluorination of ketones, aldehydes, amides, alcohols, carboxylic acids, and anhydrides
AU Olah, George A.; Nojima, Masatomo; Kerekes, Istvan
CS Dep. Chem., Case West. Reserve Univ., Cleveland, OH, USA
SO Journal of the American Chemical Society (1974), 96(3), 925-7
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English

L50 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fluorinated organic compounds
AB The title compds. can be used as chemical intermediates. Cyclohexanone 40, COF2 65, and HCONMe2 4-5 parts are placed in a reactor containing N, the reactor is closed, the mixture heated at 50° 12 hrs. under autogenous pressure, cooled, the volatile materials are removed, and the remaining liquid is distilled to give 1-fluorocyclohexyl fluoroformate (I), b27 59-63°, 52 parts. I 17, hexane 30-5, and BF3-etherate 4.8 parts are heated at 45-7° 3 hrs., the mixture is cooled, the upper phase separated, agitated with powdered NaF, the NaF filtered off, the filtrate evaporated, and the residue distilled through a fractionating column to give 1,1-di-fluorocyclohexane, b. 101-7°, n25D 1.3900-1.3895, 5.6 parts. Similarly prepared are Ph2CF2, b15 100-1°, n25D 1.5360-1.5368; PhCHF2, b15 35-6°; 4-Me2NC6H4CHF2; (FCH2)2O; PhCF3 and BzF;

F3C(CF2)2COF; F3C(CF2)6COF, b. 108-9°; FOC(CF2)3COF, b. 47-9°; FOC(CF2)2COF, b. 30-5°; 2-F3CC6H4COF and phthaloyl fluoride; Me(F2CH)NCOF and Me(HCO)NCOF; Me(MeCF2)NCOF, b. 97-100° and MeAcNCOF, b. 136-8°; F2CHNMe2, b. 47-51.5°; PhCF2NMe2, b. 63°; N-fluoroformyl-1,1-difluorohexamethyleneimine, b0-5 50°; and Me2NCF2NMe2, b. 101-3°.

AN 1963:39841 CAPLUS
DN 58:39841
OREF 58:6752d-f
TI Fluorinated organic compounds
PA E. I. du Pont de Nemours & Co.
SO 11 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 909364		19621031	GB 1960-38526	19601109
	US 3213062		19651019	US 1959-852939	19591116
PRAI	US		19591116		

=> s l50 and microwave
114647 MICROWAVE
L52 0 L50 AND MICROWAVE

=> s l49 and microwave
114647 MICROWAVE
L53 9 L49 AND MICROWAVE

=> d l53 1-9 ti

L53 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of fluoroamides or fluoroamines from amino alcohols

L53 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of α,α-difluoromethyl compounds from aldehydes

L53 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for producing optically active fluoroalkyl compounds

L53 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Direct conversion of epoxides to vic-difluorides

L53 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of gem-difluorides from aldehydes using DFMBA

L53 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Deoxyfluorination of alcohols using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine

L53 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Method of fluorination using N,N-diethyl-α,α-difluorobenzylamines

L53 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fluorination under microwave irradiation

L53 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Selective synthesis of fluorinated carbohydrates using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine

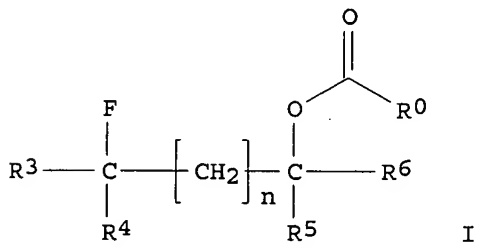
=> d l53 1 3 4 5 6 7 8 9 ti abs bib

L53 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of fluoroamides or fluoroamines from amino alcohols
AB FCR3R4(CR5R6)nNR7COR0 and FCR3R4(CR5R6)nNR7CH2R0 [R0, R3-R7 = H, (un)substituted alkyl, aryl, alkylamino, arylamino; 2 of R3-R7 may be linked to form ring; n = 1, 2], useful as building blocks, are prepared from HOCR3R4(CR5R6)nNHR7 (R3-R7, n = same as above) using F2CR0NR1R2 (R0 = same as above; R1, R2 = similar group as in R0), followed by optional reduction Optically active products are obtained from optically active amino alcs. Thus, N,N-diethyl-α,α-difluoro-(3-methyl)benzylamine was added to 2-anilinoethanol and exposed to microwave at 70° for 10 min to give 90% N-(2-fluoroethyl)-N-phenyl-(3-methyl)benzamide.
AN 2006:597008 CAPLUS
DN 145:83123
TI Preparation of fluoroamides or fluoroamines from amino alcohols
IN Hara, Shoji; Fukuhara, Tsuyoshi; Hidaka, Toshio
PA Hokkaido University, Japan; Mitsubishi Gas Chemical Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

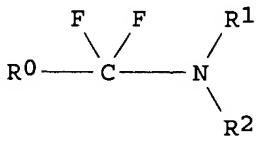
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2006160709	A	20060622	JP 2004-358344	20041210
PRAI JP 2004-358344		20041210		

OS MARPAT 145:83123

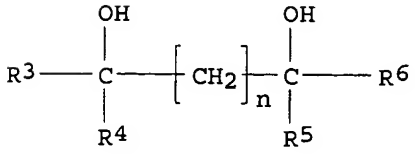
L53 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for producing optically active fluoroalkyl compounds
GI



I



II



III

AB A process for the preparation of optically active compds. I [R0 = H, (un)substituted alkyl, etc.; R3-R6 = H, (un)substituted alkyl, etc.; n =

0-3] from fluoroamine II [R0, R1, R2 = H, (un)substituted alkyl, etc.] and chiral diol III [R3-R6, n = same as above] was disclosed. For example, a mixture of (2S,4S)-pentane-2,4-diol (1 mmol) and N,N-diethyl-α,α-difluoro-(3-methyl)benzylamine (1 mmol) in dioxane (1 mL) was irradiated with microwave (2.45 GHz, 500W) for 10 min. The reaction mixture was cooled, followed by treatment with N,N-diethyl-α,α-difluoro-(3-methyl)benzylamine (1 mmol) for 10 min under microwave and aqueous work-up to give (2S,4R)-2-(3-methylbenzoyloxy)-4-fluoropentane in 78% yield and 100% ee.

AN 2005:1004688 CAPLUS
DN 143:305938
TI Process for producing optically active fluoroalkyl compounds
IN Hara, Shoji; Fukuhara, Tsuyoshi
PA Mitsubishi Gas Chemical Company, Inc., Japan
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005085171	A1	20050915	WO 2005-JP3480	20050302
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1721885	A1	20061115	EP 2005-719795	20050302
R: DE, GB				

PRAI JP 2004-61202 A 20040304
WO 2005-JP3480 W 20050302
OS MARPAT 143:305938
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Direct conversion of epoxides to vic-difluorides
AB Vic-Difluoro compds. can be directly prepared from epoxides by reaction with Et3N-3HF and DFMBA under microwave-irradiation conditions.
AN 2005:568391 CAPLUS
DN 144:369634
TI Direct conversion of epoxides to vic-difluorides
AU Yu, Hong-Wen; Nakano, Yousuke; Fukuhara, Tsuyoshi; Hara, Shoji
CS Division of Molecular Chemistry, Graduate School of Engineering, Hokkaido University, Sapporo, 060-8628, Japan
SO Journal of Fluorine Chemistry (2005), 126(6), 962-966
CODEN: JFLCAR; ISSN: 0022-1139
PB Elsevier B.V.
DT Journal
LA English
OS CASREACT 144:369634
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of gem-difluorides from aldehydes using DFMBA
AB Synthesis of gem-difluorides from aldehydes was effectively achieved using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine (DFMBA) and Et3N-3HF under microwave irradiation or conventional thermal

heating. Both aromatic and aliphatic aldehydes could be converted to the corresponding gem-difluorides in good yields.

AN 2005:434408 CAPLUS
DN 144:51309
TI Synthesis of gem-difluorides from aldehydes using DFMBA
AU Furuya, Tsukasa; Fukuhara, Tsuyoshi; Hara, Shoji
CS Division of Molecular Chemistry, Graduate School of Engineering, Hokkaido University, Sapporo, 060-8628, Japan
SO Journal of Fluorine Chemistry (2005), 126(5), 721-725
CODEN: JFLCAR; ISSN: 0022-1139
PB Elsevier B.V.
DT Journal
LA English
OS CASREACT 144:51309
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Deoxyfluorination of alcohols using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine
AB Deoxyfluorination of alcs. was carried out using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine (DFMBA). Primary alcs. were effectively converted to fluorides under microwave irradiation or conventional heating. Deoxyfluorination of an anomeric hydroxy group in sugars by DFMBA proceeded at below room temperature and glycosyl fluorides could be obtained in good yields. The deoxyfluorination reaction chemoselectively proceeded and various protecting groups on the sugar can survive under the reaction conditions.

AN 2004:581849 CAPLUS
DN 141:260951
TI Deoxyfluorination of alcohols using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine
AU Kobayashi, Shingo; Yoneda, Atushi; Fukuhara, Tsuyoshi; Hara, Shoji
CS Division of Molecular Chemistry, Graduate School of Engineering, Hokkaido University, Sapporo, 060-8628, Japan
SO Tetrahedron (2004), 60(32), 6923-6930
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science B.V.
DT Journal
LA English
OS CASREACT 141:260951
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Method of fluorination using N,N-diethyl-α,α-difluorobenzylamines
AB Disclosed is a method in which a glucide, examples of which include a monosaccharide, an oligosaccharide, a polysaccharide, a composite saccharide comprising any of these saccharides and a protein or lipid bonded thereto, a polyalc., an aldehyde, ketone, or acid of a polyalc., a derivative or condensate of any of these, is reacted with a fluorinating agent represented by the general formula of RCF2-Y(R1)R2 [y = N, P; R-R2 are same or different group selected from H and each (un)substituted alkyl and aryl; or ≥2 of R-R2 groups are bonded to each other to form a ring] either thermally or by irradiation with microwave or an electromagnetic wave with a wavelength around the microwave region. By the method, fluorination reaction can be safely conducted position-selectively even in a temperature range of 150 to 200°, in which fluorination has conventionally been difficult. The method in which the reactants are irradiated with microwave or an electromagnetic wave with a wavelength around the microwave region is applicable to substrates other than glucides. When a complex compound comprising HF and a base, for example, is reacted with a substrate by irradiation with microwave, fluorination

in a specific position which has been difficult in conventional techniques proceeds highly selectively in a short time efficiently and safely. Thus, 10 mmol Me 2,3-O-isopropylidene-β-D-ribofuranoside, 12 mmol N,N-diethyl-α,α-difluoro-3-methylbenzylamine, and 20 mL heptane were added to a glass vessel reaction vessel coated with fluorinated resin, heated with 100° with stirring, and allowed to react for 50 min to give 55% Me 2,3-O-isopropylidene-5-deoxy-5-fluoro-β-D-ribofuranoside.

AN 2004:493719 CAPLUS
DN 141:38808
TI Method of fluorination using N,N-diethyl-α,α-difluorobenzylamines
IN Hara, Shoji; Fukuhara, Tsuyoshi
PA Mitsubishi Gas Chemical Company, Inc., Japan
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004050676	A1	20040617	WO 2003-JP15336	20031201
	W: CN, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	JP 2004182664	A	20040702	JP 2002-352968	20021204
	JP 2004189655	A	20040708	JP 2002-358249	20021210
	EP 1568703	A1	20050831	EP 2003-775984	20031201
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
	CN 1720256	A	20060111	CN 2003-80104679	20031201
	US 2006014972	A1	20060119	US 2005-537437	20050603
PRAI	JP 2002-352968	A	20021204		
	JP 2002-358249	A	20021210		
	WO 2003-JP15336	W	20031201		

OS CASREACT 141:38808; MARPAT 141:38808
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Fluorination under microwave irradiation
AB Substrates are fluorinated by fluoro compds. under (near-) microwave irradiation 1-Dodecanol was fluorinated by N,N-diethyl-α,α-difluoro-3-methylbenzylamine under microwave irradiation at room temperature for 10 min to give 93% 1-fluorododecane.
AN 2004:330166 CAPLUS
DN 140:338752
TI Fluorination under microwave irradiation
IN Hara, Masaharu; Fukuhara, Katashi
PA Mitsubishi Gas Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004123605	A	20040422	JP 2002-290198	20021002
PRAI	JP 2002-290198		20021002		

OS CASREACT 140:338752; MARPAT 140:338752

L53 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
TI Selective synthesis of fluorinated carbohydrates using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine

AB Deoxyfluorination of a hydroxy group in carbohydrates was carried out using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine. A primary hydroxy group in carbohydrates was effectively converted to the corresponding fluoride under microwave irradiation or at 100 °C. Deoxyfluorination of hydroxy groups at the anomeric position proceeded at below room temperature, and glycosyl fluorides could be obtained in good yields. The reaction chemoselectively proceeded, and various protecting groups of carbohydrates can survive under the reaction conditions.
AN 2004:51764 CAPLUS
DN 140:271079
TI Selective synthesis of fluorinated carbohydrates using N,N-diethyl-α,α-difluoro-(m-methylbenzyl)amine
AU Kobayashi, Shingo; Yoneda, Atushi; Fukuhara, Tsuyoshi; Hara, Shoji
CS Graduate School of Engineering, Division of Molecular Chemistry, Hokkaido University, Sapporo, 060-8628, Japan
SO Tetrahedron Letters (2004), 45(6), 1287-1289
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science B.V.
DT Journal
LA English
OS CASREACT 140:271079
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	60.38	696.97
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.75	-46.50

FILE 'USPATFULL' ENTERED AT 15:53:30 ON 29 DEC 2006
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Dec 2006 (20061228/PD)
FILE LAST UPDATED: 28 Dec 2006 (20061228/ED)
HIGHEST GRANTED PATENT NUMBER: US7155745
HIGHEST APPLICATION PUBLICATION NUMBER: US2006294631
CA INDEXING IS CURRENT THROUGH 28 Dec 2006 (20061228/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Dec 2006 (20061228/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

=> s l47
L54 10 L47

=> s l54 and microwave
98231 MICROWAVE
L55 3 L54 AND MICROWAVE

=> d l55 1-3 ti abs bib

L55 ANSWER 1 OF 3 USPATFULL on STN
TI Method of fluorination
AB A method of fluorination comprising reacting monosaccharides, oligosaccharides, polysaccharides, composite saccharides formed by bonding of these saccharides with proteins and lipids and saccharides having polyalcohols, aldehydes, ketones and acids of the polyalcohols, and derivatives and condensates of these compounds with a fluorinating

agent represented by general formula (I) thermally or under irradiation with microwave or an electromagnetic wave having a wavelength around the microwave region. In accordance with the method, the fluorination at a selected position can be conducted safely at a temperature in the range of 150 to 200° C. where the reaction is difficult in accordance with conventional methods. The above method comprising the irradiation with microwave or an electromagnetic wave having a wavelength around the microwave region can be applied to substrates other than saccharides. When a complex compound comprising HF and a base is reacted under irradiation with microwave, fluorination at a specific position which is difficult in accordance with conventional methods proceeds highly selectively, efficiently in a short time and safely. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2006:16583 USPATFULL
TI Method of fluorination
IN Hara, Shoji, Hokkaido, JAPAN
Fukuhara, Tsuyoshi, Hokkaido, JAPAN
PI US 2006014972 A1 20060119
AI US 2003-537437 A1 20031201 (10)
WO 2003-JP15336 20031201
20050603 PCT 371 date
PRAI JP 2002-352968 20021204
JP 2003-2002358249 20021210
DT Utility
FS APPLICATION
LREP ANTONELLI, TERRY, STOUT & KRAUS, LLP, 1300 NORTH SEVENTEENTH STREET, SUITE 1800, ARLINGTON, VA, 22209-3873, US
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1318
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L55 ANSWER 2 OF 3 USPATFULL on STN
TI Chemicals and processes for making fluorinated poly(para-xylylenes)
AB New starting materials and chemical processes will be used to make fluorinated poly(para-xylylenes) (F-PPX) and fluorinated poly(para-fluoroxylylenes) (F-PPFX). The processes will use some very low cost and readily available starting materials, catalysts, chemical reactors, transport polymerization (TP) systems, and chemical vapor deposition (CVD) systems commonly used for making F-PPX. New TP and CVD deposition systems will also be used to make F-PPX and F-PPFX. These polymers are used for the manufacture of low dielectric films with high thermal stability and are sufficiently strong to withstand planarization and polishing for the manufacture of integrated circuits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2000:146502 USPATFULL
TI Chemicals and processes for making fluorinated poly(para-xylylenes)
IN Lee, Chung J., Fremont, CA, United States
Wang, Hui, Fremont, CA, United States
Foggiato, Giovanni Antonio, Morgan Hill, CA, United States
PA Quester Techology, Inc., Fremont, CA, United States (U.S. corporation)
PI US 6140456 20001031
AI US 1997-957792 19971024 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Thibodeau, Paul; Assistant Examiner: Rickman, Holly C
LREP Fliesler, Dubb, Meyer & Lovejoy
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 9 Drawing Page(s)
LN.CNT 1624

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L55 ANSWER 3 OF 3 USPATFULL on STN
TI Deposition systems and processes for transport polymerization and chemical vapor deposition
AB The described deposition systems are designed to accommodate new precursors and chemical processes used for transport polymerization and chemical vapor deposition. The systems consist primarily of a reactor, a liquid injector or gas mass flow controller, a cracker and a deposition chamber under sub-atmospheres pressure. The cracker utilizes one or more types of energy, including heat, photons, and plasmas. This invention is especially useful for preparing F-PPX (fluorinated poly(para-xylylenes) and other fluorinated polymer thin films for intermetal dielectric (IMD) and interlevel dielectric (ILD) applications in the manufacture of integrated circuits with features <0.25 μm in size.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2000:87512 USPATFULL
TI Deposition systems and processes for transport polymerization and chemical vapor deposition
IN Lee, Chung J., Fremont, CA, United States
Wang, Hui, Fremont, CA, United States
Foggiato, Giovanni Antonio, Morgan Hill, CA, United States
PA Quester Technology, Inc., Fremont, CA, United States (U.S. corporation)
PI US 6086679 20000711
AI US 1997-958352 19971024 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Bueker, Richard
LREP Fliesler, Dubb, Meyer, & Lovejoy LLP
CLMN Number of Claims: 76
ECL Exemplary Claim: 1
DRWN 14 Drawing Figure(s); 14 Drawing Page(s)
LN.CNT 2311
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l54 not py>2003
1202514 PY>2003
L56 3 L54 NOT PY>2003

=> d l56 1-3 ti

L56 ANSWER 1 OF 3 USPATFULL on STN
TI Chemicals and processes for making fluorinated poly(para-xylylenes)

L56 ANSWER 2 OF 3 USPATFULL on STN
TI Deposition systems and processes for transport polymerization and chemical vapor deposition

L56 ANSWER 3 OF 3 USPATFULL on STN
TI 7-phenyl-1, 4-diazepane compounds, process for their preparation, and pharmaceutical compositions containing them

=> d l56 3 ti abs bib

L56 ANSWER 3 OF 3 USPATFULL on STN
TI 7-phenyl-1, 4-diazepane compounds, process for their preparation, and pharmaceutical compositions containing them
AB Neurokinin-antagonistic compounds corresponding to formula I: ##STR1## in which R.sup.1 is hydrogen or lower alkyl,

R.sup.2 is hydrogen, lower alkyl, lower alkoxy, halogen or trifluoromethyl, and

R.sup.3 is hydrogen, lower alkyl, lower alkoxy, halogen or trifluoromethyl, or

R.sup.2 and R.sup.3 together are alkylenedioxy with 1 to 2 carbon atoms, bonded to adjacent carbon atoms of the phenyl ring,

R.sup.4 is hydrogen, lower alkyl, lower alkoxy, halogen or trifluoromethyl, and

R.sup.5 is hydrogen, lower alkyl, lower alkoxy, halogen or trifluoromethyl, or

R.sup.4 and R.sup.5 together are alkylenedioxy with 1 to 2 carbon atoms, bonded to adjacent carbon atoms of the phenyl ring,

R.sup.6 is lower alkyl, halogen or trifluoromethyl,

R.sup.7 is lower alkyl, halogen or trifluoromethyl,

A is a --(CH.sub.2).sub.n -- group in which n represents an integer from 1 to 3, or an --NH--(CH.sub.2).sub.m -- group in which m represents an integer from 2 to 3, and

B is an alkylene chain with 1 to 3 carbon atoms optionally substituted by lower alkyl,

and physiologically acceptable salts thereof and processes for the preparation of these compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2000:34549 USPATFULL
TI 7-phenyl-1, 4-diazepane compounds, process for their preparation, and pharmaceutical compositions containing them
IN David, Samuel, Hannover, Germany, Federal Republic of
Antel, Jochen, Bad Muender, Germany, Federal Republic of
Brueckner, Reinhard, Hannover, Germany, Federal Republic of
Ziegler, Dieter, Hemmingen, Germany, Federal Republic of
Eeckhout, Christian, Lindwedel, Germany, Federal Republic of
Bielenberg, Gerhard-Wilhelm, Alfeld, Belgium
Peck, Michael, Braine le Chateau, Belgium
PA Solvay Pharmaceuticals GmbH, Hannover, Germany, Federal Republic of (non-U.S. corporation)
PI US 6040303 20000321
AI US 1998-141312 19980827 (9)
PRAI DE 1997-19737334 19970827
DT Utility
FS Granted
EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Coleman, Brenda
LREP Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1750
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.86	716.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-46.50

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DICTIONARY FILE UPDATES: 28 DEC 2006 HIGHEST RN 916479-39-5

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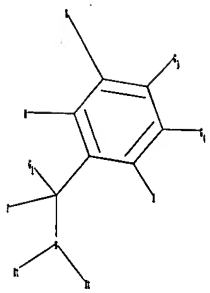

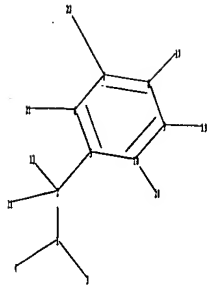

chain nodes :
1 2 3 4 11 13 17 19 20 21 22
ring nodes :
5 6 7 8 9 10
chain bonds :
1-2 1-3 1-4 2-5 2-11 2-13 6-21 7-22 8-17 9-19 10-20
ring bonds :
5-6 5-10 6-7 7-8 8-9 9-10
exact/norm bonds :
1-2 2-13 8-17 9-19
exact bonds :
1-3 1-4 2-5 2-11 6-21 7-22 10-20
normalized bonds :
5-6 5-10 6-7 7-8 8-9 9-10

G1:H,Cl,Br,F,I

G2:CH3,CH2,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph

G3:H,CH3

G4:H,EtO

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 13:CLASS 17:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS

L57 STRUCTURE UPLOADED

=> s l57 sub=L47
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FULL SUBSET SEARCH INITIATED 15:58:47 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L58 1 SEA SUB=L47 SSS FUL L57

=> d l58

L58 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 90238-20-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzenemethanamine, N,N-diethyl-α,α-difluoro- (9CI) (CA INDEX NAME)
MF C11 H15 F2 N
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Ph—CF_2—NEt_2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	41.74	758.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-46.50

FILE 'CAPLUS' ENTERED AT 15:59:01 ON 29 DEC 2006
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FILE 'USPATFULL' ENTERED AT 15:59:01 ON 29 DEC 2006
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=> s l58
L59             6 L58

=> dup rem l59
PROCESSING COMPLETED FOR L59
L60             6 DUP REM L59 (0 DUPLICATES REMOVED)

=> d l60 1-6 ti abs bib

L60  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Preparation of fluoroamides or fluoroamines from amino alcohols
AB   FCR3R4(CR5R6)nNR7COR0 and FCR3R4(CR5R6)nNR7CH2R0 [R0, R3-R7 = H,
     (un)substituted alkyl, aryl, alkylamino, arylamino; 2 of R3-R7 may be
     linked to form ring; n = 1, 2], useful as building blocks, are prepared from
     HOCR3R4(CR5R6)nNHR7 (R3-R7, n = same as above) using F2CR0NR1R2 (R0 = same
     as above; R1, R2 = similar group as in R0), followed by optional reduction
     Optically active products are obtained from optically active amino alcs.
     Thus, N,N-diethyl-α,α-difluoro-(3-methyl)benzylamine was added
     to 2-anilinoethanol and exposed to microwave at 70° for 10 min to
     give 90% N-(2-fluoroethyl)-N-phenyl-(3-methyl)benzamide.
AN   2006:597008  CAPLUS
DN   145:83123
TI   Preparation of fluoroamides or fluoroamines from amino alcohols
IN   Hara, Shoji; Fukuhara, Tsuyoshi; Hidaka, Toshio
PA   Hokkaido University, Japan; Mitsubishi Gas Chemical Co., Ltd.
SO   Jpn. Kokai Tokkyo Koho, 17 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.          KIND   DATE       APPLICATION NO.         DATE
     ---------------     ----   --------   --------------------    --------
PI   JP 2006160709        A     20060622   JP 2004-358344          20041210
PRAI JP 2004-358344               20041210
OS   MARPAT 145:83123

L60  ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Synthesis of (fluoroalkyl)amines by deoxyfluorination of amino alcohols
AB   Deoxyfluorination of amino alcs. was achieved using N,N-diethyl-
     α,α-difluorobenzylamine to furnish N-
     benzoyl(fluoroalkyl)amines selectively.
AN   2006:846753  CAPLUS
DN   145:376685
TI   Synthesis of (fluoroalkyl)amines by deoxyfluorination of amino alcohols
AU   Nomoto, Takashi; Fukuhara, Tsuyoshi; Hara, Shoji
CS   Graduate School of Engineering, Hokkaido University, Sapporo, 060-8628,
     Japan
SO   Synlett (2006), (11), 1744-1746
     CODEN: SYNLES; ISSN: 0936-5214
PB   Georg Thieme Verlag
DT   Journal
LA   English
RE.CNT  29     THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L60  ANSWER 3 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Reactions of N,N-diethylamidines and N,N,N',N'-tetramethylguanidine with
     sulfur tetrafluoride
AB   Reaction of RC(NEt2):NR1 (R = Ph, R1 = SiMe3; R = n-C6F13, R1 = H) with
     SF4 gave RCF2NEt2 (R = Ph, n-C6F13).  Similarly, Me2NC(NMe2):NSiMe3 and
     SF4 gave Me2NCF2NMe2.  These reactions proceeded under milder conditions
     than were necessary for the carbonyl analogs.
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AN 2005:179794 CAPLUS
DN 143:26260
TI Reactions of N,N-diethylamidines and N,N,N',N'-tetramethylguanidine with sulfur tetrafluoride
AU Yagupol'skii, L. M.; Petko, K. I.; Dronkina, M. I.
CS Inst. Org. Khim., NAN Ukrainy, Kiev, Ukraine
SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (2005), 71(1-2), 116-117
CODEN: UKZHAU; ISSN: 0041-6045
PB Institut Obshchei i Neorganicheskoi Khimii im. V. I. Vernadskogo NAN Ukrainy
DT Journal
LA Russian
OS CASREACT 143:26260

L60 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
TI Manufacture of α,α-difluoramines and difluoromethylene-α,α-diazo compounds as fluorination agents
AB R1CF2NR2R3 (R1 = H, C1-12 alkyl, C3-14 aryl, etc.; R2, R3 = C1-12 alkyl, C3-14 aryl, C4-15 aralkyl; R1R2 or R1R3 can form C3-16 carbocyclic ring), agents for fluorination of alcs. and carbonyl compds., especially ketones, carboxylic acids and aldehydes, were prepared with improved yields and without taking special precautionary measures by reacting carbonyl compds. R1CONR2R3 (R1-R2 as above) with (COF)2 or COF2 in a solvent. For example, adding cooled (COF)2 to CH2Cl2 solution of Me3CCONMe2 at -10° in a closed steel reactor and stirring the mixture at room temperature and for 16 h at
40° gave 93% Me3CCF2NMe2 as light yellow liquid
AN 2004:564132 CAPLUS
DN 141:125376
TI Manufacture of α,α-difluoramines and difluoromethylene-α,α-diazo compounds as fluorination agents
IN Ebenbeck, Wolfgang; Marhold, Albrecht; Kolomeitsev, Alexander; Roeschenthaler, Gerd-Volker
PA Bayer A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10300113	A1	20040715	DE 2003-10300113	20030107
	EP 1439170	A1	20040721	EP 2003-29973	20031230
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 2004198975	A1	20041007	US 2004-751824	20040105
	US 7045662	B2	20060516		
	JP 2004210792	A	20040729	JP 2004-1699	20040107
PRAI	DE 2003-10300113	A	20030107		

OS CASREACT 141:125376; MARPAT 141:125376

L60 ANSWER 5 OF 6 USPATFULL on STN
TI Alpha, alpha-difluoroamines and difluoromethylene-alpha, alpha-diazo compounds
AB The present invention relates to a process for preparing α,α-difluoroamines, difluoromethylene-α,α-diazo compounds and fluorination reagents containing α,α-difluoroamines and/or difluoromethylene-α,α-diazo compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2004:255444 USPATFULL
TI Alpha, alpha-difluoroamines and difluoromethylene-alpha, alpha-diazo compounds
IN Ebenbeck, Wolfgang, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
Marhold, Albrecht, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

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       Kolomeitsev, Alexander, Bremen, GERMANY, FEDERAL REPUBLIC OF
       Roschenthaler, Gerd-Volker, Bremen, GERMANY, FEDERAL REPUBLIC OF
PI     US 2004198975       A1  20041007
       US 7045662          B2  20060516
AI     US 2004-751824      A1  20040105 (10)
PRAI   DE 2003-10300113    20030107
DT     Utility
FS     APPLICATION
LREP   LANXESS CORPORATION, PATENT DEPARTMENT/ BLDG 14, 100 BAYER ROAD,
       PITTSBURGH, PA, 15205-9741
CLMN   Number of Claims: 17
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 407
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L60  ANSWER 6 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Reactions of N,N-dialkylbenzamides with sulfur tetrafluoride.  Formation
     of dialkyl-α,α-difluorobenzylamines
AB   The KF-catalyzed reaction of amides R2NCOC6H4R1 (I; R = Me, Et, Pr,
     CH2CH2CF3; R1 = H, Me, OMe, Br, CF3, NO2) with SF4 gave amines
     R2NCF2C6H4R1.  Substituent effects of the R1 in I (R = Me) is discussed.
AN   1984:209316  CAPLUS
DN   100:209316
TI   Reactions of N,N-dialkylbenzamides with sulfur tetrafluoride.  Formation
     of dialkyl-α,α-difluorobenzylamines
AU   Dmowski, Wojciech; Kaminski, Maciej
CS   Inst. Org. Chem., Pol. Acad. Sci., Warsaw, 01224, Pol.
SO   Polish Journal of Chemistry (1982), 56(10-12), 1369-78
     CODEN: PJCHDQ; ISSN: 0137-5083
DT   Journal
LA   English
OS   CASREACT 100:209316


=> d his

     (FILE 'HOME' ENTERED AT 10:42:11 ON 29 DEC 2006)

     FILE 'REGISTRY' ENTERED AT 10:42:22 ON 29 DEC 2006
               EXP CHITOSAN/CN
               EXP CHITOSAN-IRON/CN
               EXP CHITOSAN IRON/CN
               EXP CHITOSAN FE/CN
               EXP CHITOSAN-FE/CN
               EXP IRON CHITOSAN/CN
               EXP IRON-CHITOSAN/CN
L1             1 S CHITOSAN/CN

     FILE 'CAPLUS' ENTERED AT 10:43:35 ON 29 DEC 2006
L2         21117 S L1
L3            39 S L2 AND TESTOSTERONE
L4            14 S L3 NOT PY>2004

     FILE 'USPATFULL' ENTERED AT 10:46:13 ON 29 DEC 2006
L5          2931 S L1
L6           150 S L5 AND TESTOSTERONE
L7            74 S L6 NOT PY>2004
L8            22 S L7 AND IRON

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 10:48:46 ON 29 DEC 2006
               SEA CHITOSAN AND TESTOSTERONE
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                ---------
                 1   FILE AQUASCI
                 1   FILE BIOENG
                 2   FILE BIOSIS
                 2   FILE BIOTECHNO
                37   FILE CAPLUS
                 4   FILE DDFU
                 1   FILE DGENE
                 1   FILE DISSABS
                 5   FILE DRUGU
                 1   FILE EMBAL
                13   FILE EMBASE
                33   FILE IFIPAT
                 1   FILE MEDLINE
                 3   FILE PHIN
                 5   FILE PROMT
                 2   FILE SCISEARCH
                26   FILE TOXCENTER
              1006   FILE USPATFULL
               102   FILE USPAT2
                29   FILE WPIDS
                29   FILE WPINDEX
L9                QUE CHITOSAN AND TESTOSTERONE
                  ---------

     FILE 'EMBASE' ENTERED AT 10:49:38 ON 29 DEC 2006
L10            13 S CHITOSAN AND TESTOSTERONE
L11             6 S L10 NOT PY>2004

     FILE 'USPATFULL' ENTERED AT 11:34:12 ON 29 DEC 2006

     FILE 'EMBASE' ENTERED AT 11:34:12 ON 29 DEC 2006

     FILE 'CAPLUS' ENTERED AT 11:35:38 ON 29 DEC 2006

     FILE 'EMBASE' ENTERED AT 11:35:38 ON 29 DEC 2006

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:36:06 ON 29 DEC 2006
                  SEA (ZINC AND TESTOSTERONE)
                  ---------
                   1   FILE ADISCTI
                  21   FILE AGRICOLA
                   1   FILE ANABSTR
                   2   FILE AQUASCI
                   1   FILE BIOENG
                 385   FILE BIOSIS
                   1   FILE BIOTECHABS
                   1   FILE BIOTECHDS
                  59   FILE BIOTECHNO
                  96   FILE CABA
                 432   FILE CAPLUS
                   5   FILE CONFSCI
                   1   FILE CROPU
                  34   FILE DDFB
                  50   FILE DDFU
                  16   FILE DISSABS
                  34   FILE DRUGB
                  69   FILE DRUGU
                   3   FILE EMBAL
                 457   FILE EMBASE
                  53   FILE ESBIOBASE
                   8   FILE FROSTI
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              2   FILE GENBANK
              3   FILE HEALSAFE
             64   FILE IFIPAT
              1   FILE IMSRESEARCH
             11   FILE JICST-EPLUS
              2   FILE KOSMET
             32   FILE LIFESCI
            360   FILE MEDLINE
              1   FILE NUTRACEUT
              1   FILE OCEAN
            117   FILE PASCAL
              1   FILE PHAR
              1   FILE PHARMAML
              1   FILE PHIC
             10   FILE PHIN
             64   FILE PROMT
              1   FILE RDISCLOSURE
            211   FILE SCISEARCH
            300   FILE TOXCENTER
           3159   FILE USPATFULL
            347   FILE USPAT2
              4   FILE VETB
             23   FILE VETU
             77   FILE WPIDS
             77   FILE WPINDEX
L12            QUE (ZINC AND TESTOSTERONE)
               ---------

     FILE 'BIOSIS, EMBASE, MEDLINE' ENTERED AT 11:36:57 ON 29 DEC 2006
L13          0 S (ZINC AND TESTOSTERONE AND KELP AND ASCORB?)
L14         54 S (ZINC AND TESTOSTERONE AND ASCORB?)
L15         42 S L14 NOT PY>2004
L16          4 S TESTOSTERONE AND KELP
L17          0 S (ZINC AND KELP AND ASCORB? AND (PROSTATE(W)(CARCINOMA OR ADEN
L18         50 S (ZINC AND ASCORB? AND (PROSTATE(W)(CARCINOMA OR ADENOCARCINOM
L19         49 DUP REM L18 (1 DUPLICATE REMOVED)
L20         32 S L19 NOT PY>2004
L21          3 S (KELP AND (PROSTATE(W)(CARCINOMA OR ADENOCARCINOMA OR CANCER)
L22        799 S IRON AND TESTOSTERONE
L23        556 DUP REM L22 (243 DUPLICATES REMOVED)
L24        496 S L23 NOT PY>2003
L25          6 S L24 AND SUPPLEMENT
L26         61 S L24 AND (DEFICIENT OR DEFICIENCY)

     FILE 'CAPLUS' ENTERED AT 12:07:26 ON 29 DEC 2006
L27        244 S IRON AND TESTOSTERONE
L28          5 S L27 AND SUPPLEMENT
L29         21 S L27 AND (DEFICIENT OR DEFICIENCY)
L30        359 S TESTOSTERONE AND (ASCORBIC OR ASCORBATE OR (VITAMIN(W)C))
L31        274 S L30 NOT PY>2003
L32          5 S L31 AND SUPPLEMENT
L33          3 S TESTOSTERONE AND (KELP)

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:52:14 ON 29 DEC 2006
               SEA KELP AND (ZINC OR (ASCORBATE OR (VITAMIN(W)C) OR ASCORBIC))
              ---------
              3   FILE ADISNEWS
              3   FILE AGRICOLA
              4   FILE AQUALINE
              9   FILE AQUASCI
              2   FILE BIOENG
             17   FILE BIOSIS
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                1   FILE BIOTECHABS
                1   FILE BIOTECHDS
                6   FILE CABA
               56   FILE CAPLUS
                1   FILE DDFU
                2   FILE DISSABS
                1   FILE DRUGMONOG2
                3   FILE DRUGU
                4   FILE EMBASE
                3   FILE ESBIOBASE
                6   FILE FROSTI
                5   FILE FSTA
               49   FILE IFIPAT
                1   FILE IMSPRODUCT
                5   FILE JICST-EPLUS
                2   FILE LIFESCI
                2   FILE MEDLINE
                2   FILE NUTRACEUT
                3   FILE OCEAN
                3   FILE PASCAL
                1   FILE PHIN
               86   FILE PROMT
                6   FILE SCISEARCH
               22   FILE TOXCENTER
              657   FILE USPATFULL
               72   FILE USPAT2
                6   FILE WATER
               87   FILE WPIDS
               87   FILE WPINDEX
L34               QUE KELP AND (ZINC OR (ASCORBATE OR (VITAMIN(W) C) OR ASCORBIC)
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     FILE 'CAPLUS' ENTERED AT 13:54:00 ON 29 DEC 2006
L35            56 S KELP AND (ZINC OR (ASCORBATE OR (VITAMIN(W)C) OR ASCORBIC))
L36            46 S L35 NOT PY>2003
L37             6 S L36 AND (ZINC AND (ASCORBATE OR (VITAMIN(W)C) OR ASCORBIC))
L38             0 S L36 AND SUPPLIEMENT
L39             2 S L36 AND SUPPLEMENT
L40           198 S (ZINC AND (PROSTATE(W)CANCER))
L41            79 S L40 NOT PY>2003
L42         97124 S (ASCORBATE OR ASCORBIC OR (VITAMIN(W)C) AND (PROSTATE(W)CANCE
L43            60 S ((ASCORBATE OR ASCORBIC OR (VITAMIN(W)C)) AND (PROSTATE(W)CAN
L44            33 S L43 NOT PY>2003

     FILE 'REGISTRY' ENTERED AT 15:48:24 ON 29 DEC 2006
L45               STRUCTURE UPLOADED
L46             1 S L45
L47            21 S L45 SSS FULL

     FILE 'CAPLUS' ENTERED AT 15:49:28 ON 29 DEC 2006
L48            32 S L47
L49            27 S L48 AND FLUORINAT?
L50             9 S L49 NOT PY>2003
L51             0 S L50 AND (SUGAR OR GLUCOSE OR RIBOSE OR SACCHARIDE)
L52             0 S L50 AND MICROWAVE
L53             9 S L49 AND MICROWAVE

     FILE 'USPATFULL' ENTERED AT 15:53:30 ON 29 DEC 2006
L54            10 S L47
L55             3 S L54 AND MICROWAVE
L56             3 S L54 NOT PY>2003

     FILE 'REGISTRY' ENTERED AT 15:58:14 ON 29 DEC 2006
L57               STRUCTURE UPLOADED
L58             1 S L57  SUB=L47 FULL
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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 7	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 8	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 9	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 10	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 11	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS 12	OCT 19	E-mail format enhanced
NEWS 13	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS 14	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 15	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 16	OCT 30	CHEMLIST enhanced with new search and display field
NEWS 17	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS 18	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS 19	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS 20	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS 21	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS 22	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS 23	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS 24	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS 25	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS 26	DEC 18	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 27	DEC 18	CA/CAplus patent kind codes updated
NEWS 28	DEC 18	MARPAT to CA/CAplus accession number crossover limit increased to 50,000
NEWS 29	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS 30	DEC 27	CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available